



Scheduling Physicist Report, Run12 Francois Méot, C-AD

One year,
one RHIC run,
one scheduling physicist
later...



If the question is

*“was that a
great
experience ?”*

Then the answer
is – *guess...*



Yes yes

***Definitely,
really great !***

Lots of fun !

Let's investigate that...



Job Description Theory and practice

A big part of the task of scheduling physicist consists in grabbing all relevant informations regarding RHIC run, from all parties :

- MCR,
- Run Coordinator,
- Injectors group,
- APEX,
- STAR,
- PHENIX,
- various subsystems groups,
- a series of unavoidable meetings,
- in a general manner, grabbing informations from whoever, either hunted in the corridor or in his/her office, can be your victim today and will answer your stupid questions without daring to say “get the heck out of here” - just because he/she knows you won't survive psychologically without his/her answers and so has mercy for you...

This means, amongst others, keeping wandering in C-AD buildings, PHENIX and STAR areas, NSRL (real pleasure by the way : the best coffee in LI !) ...

And, most of all : reading the e-Logs, every morning at dawn !



The task of scheduling physicist

Actually, there are some prerequisites, in order not to feel like you'll look totally ignorant right from the very beginning of the RHIC Run...

This goes with visits,

- visit C-AD installations : from EBIS and OPPIS to RHIC ring, via the MCR, Booster, AGS, power supplies, including g-2 and other oldies!
- visit BLIP installations
- NSRL - *I warmly recommend Adam's espresso*
- PHENIX
- STAR
- and so forth

Many thanks to my guides : Paul, Len, Xhe, Bill, Leif, Anatoli ...



The task of scheduling physicist

This goes also with being fully equiped for the job, which includes...

- A couple of trainings - no worry, just a matter of a few days

Course No.	Course Title	Requal. Period(mon ths)	Date Completed *
TQ-INSEC	Information Security Awareness	24	6/29/2012
AD-ODH-1-TRG	Oxygen Deficiency Hazard-1 Practical	36	3/14/2012
TQ-ODH1	Oxygen Deficiency Hazard - Class 1	12	3/13/2012
TQ-SMF	Static Magnetic Fields	36	3/13/2012
TQ-SEC-FN	Hosting and Escorting Foreign Nationals	12	1/17/2012
AD-CA_ACCESS	Collider-Accelerator Access Training	24	12/7/2011
OM-MEDSURV-ODH	Oxygen Deficiency Medical Surveillance	18	12/7/2011
OM-MEDSURV-SMF	Static Magnetic Field Medical Surveillance	18	12/7/2011
OM-PHYSICAL	OMC Employee Physical	0	12/7/2011
TQ-RW1-PART2	RadWorker I Final (Part 2 Classroom Portion)	24	10/25/2011
TQ-RW1-PART1	RadWorker I Intro - (Part 1 Web Course)	0	10/21/2011
GE-CYBERSEC	Cyber Security Training	12	8/30/2011
2HRS	HPI - CAD Orientation Training - 2 Hrs.	0	7/12/2011
TQ-SCI-ETHICS	Research with Integrity	0	3/21/2011
TQ-SEC-FN	Hosting and Escorting Foreign Nationals	12	1/19/2011
TQ-LAP-ACCOUNT	Laptop Accountability	0	1/14/2011
TQ-EMP-ETHICS	BNL	0	11/19/2010
AD-OSH	C-A Dept-Specific OSH Awareness	0	11/11/2010
GE-CIA	Security Programs and Responsibilities	0	10/22/2010
GE-EMERGPLAN	Emergency Planning & Response	0	10/22/2010
GE-ENV-GET	Environmental Protection Training	0	10/22/2010
OM-MEDSURV-ODH	Oxygen Deficiency Medical Surveillance	18	10/22/2010
OM-MEDSURV-SMF	Static Magnetic Field Medical Surveillance	18	10/22/2010
OM-PHYSICAL	OMC Employee Physical	0	10/22/2010
TQ-PROTECTID	Protecting Personally Identifiable Information	0	10/8/2010
TQ-SAFEAWARE	Workplace	0	10/8/2010
DV-NEO	Diversity Orientation & SH Awareness	0	10/1/2010
HP-V-001	General Employee Training	0	10/1/2010
PE-EMPHBK-GF	Hire	0	10/1/2010
PE-NEWEMPGUIDE	Employee Guide Received	0	10/1/2010
GE-CYBERSEC	Cyber Security Training	12	8/30/2010



The task of scheduling physicist

... and the rest of the equipment

You need all that to be a SP. Without that you're nothing, you'd barely be able to just stay stuck in your office





Job Description Theory and practice

Another big part of the task is,

Circulating the information within the community at C-AD and at the experiments, so that it be accounted for in arranging the Run schedules for the following days.

This means, making sure to attend the appropriate meetings, wandering in the buildings, especially the MCR, looking for the people to talk to – and sometimes looking for someone to explain what you're not sure you understood right (stuff like “the *lipa*(?) 60 kV feed line”, especially when you understood it is going to stop everything)

This sometimes also means going back to your English dictionary (non-native) - as a matter of fact I really learned a lot of English during these past months :

“PP Elog”, “Add snake blms to permit”, “groundhog”, “at park”, “Separation bumps installed in all stones”, “day, eve, owl”, “ODH0, ODH1”, ...



The task of scheduling physicist

Most of all, and that's where most of the SP's time goes to, finding and exchanging the infos means :

(i) participating to a series of meeting

9 am meetings, *Run coordinator's*

A day-to-day sort of update meeting, where in addition accesses and other actions to undertake or foreseen are discussed there, too.

9 am meetings were much less frequent during Run 12 than during Run 11 : Monday and Friday only, most of the run, except during the – short - switch-over periods,



A series of meetings to attend

Monday morning meetings :

ES&F STAFF Meeting, *Phil's*

Injectors, *Leif's and then Haixin's*

RHIC, *Christophe's*

Monday afternoon “Status meeting”, *every other two week, Steve Vigdor's*

Mid- and longer-term RHIC and physics schedules and plans, major decisions, are discussed here.



A series of meetings

Tuesday morning's "Accelerator Div. Management Group Meeting", 11-12 am, Wolfram's,

A weekly update on C-AD activities.

Tuesday afternoon's Machine/Experiment Meeting, Right after the "Time Meeting", Phil's,

Major schedule stages are discussed here with all parties.

Friday morning's APEX Meeting, Mei's,

APEX programs and planning



The task of scheduling physicist

(ii) Finding and exchanging the infos means in addition, for the SP, managing 2 meetings, specific to the task

1/ Monday's "Scheduling Meeting", 3 pm, ~ half an hour

A main place where accesses are discussed as far as meetings that SP is involved in are concerned : access at PHENIX, STAR, for equipment repair, developments (as e-lens), etc.

An essential place to help keeping the SP in the loop, for him to fulfill his task of relaying all relevant informations to all parties.

	MONDAY 26 MARCH 8th SCHEDULING MEETING <ul style="list-style-type: none"> - 255 GeVx255 GeV physics running smoothly, - BLIP being checked / window, - NSRL running steadily. <p>Program for the week is Physics 24/7, apart from :</p>	<hr/> <i>5 to 7 weeks, still to be determined.</i> <hr/>
Mon. 26		
Tue. 27	APEX, 12 hours 0800pm – 8pm+12hrs → Wed. 0800am	
Wed. 28	Maintenance 0800am – 0400pm	
Thu. 29	Machine development, all Day Shift, 0800am-0400pm	
Fri. 30	Machine development, 2 hours, between stores, morning	
Sat. 31		
Sun. 1 st April		
Mon. 2	Contingency for MD, 2 hours, to be confirmed	
	NEXT SCHEDULING MEETING MONDAY 2 APRIL	



“Scheduling meeting”, specific to the SP task

Minutes have been produced at the Scheduling Meetings,
they are available on the *ad hoc* C-AD web site maintained by Caitlin

Scheduling Meeting Minutes

Monday's in 2012

Scheduling Physicist: François Meot

fmeot@bnl.gov

January	February	March	April	May	June
No Meetings	02/06/12	03/05/12	04/02/12	05/07/12	06/04/12
	02/13/12	03/12/12	04/09/12	05/14/12	06/11/12
	Holiday	03/19/12	04/16/12	05/21/12	06/18/12
	02/27/12	03/26/12	04/23/12	Holiday	06/25/12
			04/30/12		End of Run

[ES&F Home Page](#)

[Scheduling Physicist Home page](#)

This site is maintained by [C. Scholl/F. Meot](#)

Last Updated 5/08/12



2 meetings, specific to the SP task

2/ Tuesday's "Time Meeting", 1:30pm, Snyder

A sort of status reports place, regarding experiments, machines, equipments.

Including special contributions in case of noticeable incidents (the mouse BBQ power dip Fri. April 6 ; the eagle-groundhog power dip story – Fri. 1st June, 3500 alarms fired ; LIPA works early May ...)

Comprised of a series of short presentations, 5-10 minutes. An average of 9.2 over 25 meetings, i.e. 45-60 minutes duration.

More than 50 attendees always, most of the time ~80.

Cookies from time to time !

A very rich meeting, very lively, a real formation to the Lab and its activities, for everyone.

Many thanks again to all the contributors.



“Time meeting”, specific to the SP task

All slides presented there are available on the web site maintained by Caitlin

Time meetings

http://www.c-ad.bnl.gov/esfd/Scheduling_Physicist/Time...

List of time meetings:

January:

[01/10/12](#)
[01/17/12](#)
[01/24/12](#)
[01/31/12](#)

February:

[02/07/12](#)
[02/14/12](#)
[02/21/12](#)
[02/28/12](#)

March:

[03/06/12](#)
[03/13/12](#)
[03/20/12](#)
[03/27/12](#)

April:

[04/03/12](#)
[04/10/12](#)
[04/17/12](#)
[04/24/12](#)

May:

[05/01/12](#)
[05/08/12](#)
[05/15/12](#)
[05/22/12](#)
[05/29/12](#)

June:

[06/05/12](#)
[06/12/12](#)
[06/19/12](#)
[06/26/12](#)
End of RUN

Time meeting: 01/10/12

Speaker / Author	Presentation
F. Meot	Agenda
E. Lessard	Take 5 for Safety
W. Schmidke	CNI polarimeter
H. Huang	AGS
J. Haggerty	PHENIX
L. Mausner	BLIP
P. Sampson	Maintenance and Accelerator Support
V. Schoefer	RHIC
M. Bai	APEX
J. Alessi	Linac, Sources
Y. Makdisi	Jet Target
B. Christie	STAR



The scheduling physicist experience, all in all...

Well, all in all a great opportunity to make acquaintance with a great deal of people !

Rusek, Adam; Ahrens, Leif A; Luccio, Alfredo U; Aljosa Marusic; Petway, Annabelle; Oerter, Brian R; Van Kuik, Brian; Cantelmo, Doreen; Carlson, Charles W; Gardner, Christopher J; Naylor, Christopher E; Steski, Dannie B; dejan@bnl.gov; DiFilippo, Lynanne; Drees, Angelika; Lessard, Edward T; McIntyre, Gary T; Gassner, David M; Blas, Gladys; Marr, Gregory; Hahn, Harald; Huang, Haixin; Alessi, James G; Jamilkowski, James; Morris, John; Sandberg, Jon N; Reich, Jonathan; Kewisch, Jorg; Brennan, Joseph; Glenn, Joseph W; Tuozzolo, Joseph E; Brown, Kevin A; Smith, Kevin S; Kling, Nicholas; Lowenstein, Derek I; Manning, Pamela; Marusic, Aljosa; Bai, Mei; Meot, Francois; Mernick, Kevin; Meyer, Christine; Blaskiewicz, Michael M; Mapes, Michael D; Minty, Michiko; Mike Blaskiewicz [mmb@bnl.gov]; Nemesure, Seth; Sampson, Paul; Ingrassia, Peter F; Thieberger, Peter; Pile, Philip H; Ranjbar, Vahid; Raparia, Deepak; Rivera, Nina; Robert-Demolaize, Guillaume; Connolly, Roger; Schoefer, Vincent; Scholl, Caitlin; Zhang, Shou-Yuan; Tepikian, Steven; D' Ottavio, Ted; Roser, Thomas; Ptitsyn, Vadim; Litvinenko, Vladimir; Wilinski, Michelle; Fischer, Wolfram; Weng, Wu-Tsung W; Meng, Wuzheng; Zeno, Keith; Altinbas, F. Zeynep ; Beavis, Dana; Brown, Kevin A; Chiang, I Hung; Christie, William; Drees, Angelika; Feng, Pei Kuan; Franco, Nicholas J; Karol, Raymond C; Koster, John [jkoster4@gmail.com]; LaMontagne, Stephanie H; Lederle, Dewey L; Lessard, Edward T; Lynch, Don; Makdisi, Yousef I; Mausner, Leonard; Meot, Francois; O'Brien, Edward; Pendzick, Alexander F; Phillips, David B; Pile, Philip H; Reich, Jonathan; Rusek, Adam; Sampson, Paul; Sandberg, Jon N; Smith, Suzanne; Somma, Attilio; Srivastava, Suresh C; Tarrant, Don L; Tuozzolo, Joseph E; Wilinski, Michelle ; Petway, Annabelle; Ahrens, Leif A; Alessi, James G; Asselta, Sandra L; Beebe-Wang, Joanne J; Bellavia, Steven; Blas, Gladys; Blaskiewicz, Michael M; Brennan, Joseph; Brown, Kevin A; Bruno, Donald; Cantelmo, Doreen; Connolly, Roger; D' Ottavio, Ted; DiFilippo, Lynanne; Drees, Angelika; Elizarov, Andrey; Fedotov, Alexei; Fischer, Wolfram; Franco, Nicholas J; Ganetis, George; Gardner, Christopher J; Glenn, Joseph W; Gu, Xiaofeng; Gupta, Ashutosh; Hahn, Harald; Hao, Yue; He, Ping; Huang, Haixin; Ingrassia, Peter F; Jain, Animesh; Jamilkowski, James; Jing, Yichao; Karl, Francis X; Kayran, Dmitry; Kelley, Peter W (DOE); Kewisch, Jorg; Laster, Jonathan; Litvinenko, Vladimir; Liu, Chuyu; Lowenstein, Derek I; Luccio, Alfredo U; Luo, Yun; Malitsky, Nikolay D; Manning, Pamela; Mapes, Michael D; Marnieris, Ioannis M; Marr, Gregory; Marusic, Aljosa; McIntyre, Gary T; McNerney, Andrew J; Meot, Francois; Meyer, Christine; Michnoff, Robert J; Minty, Michiko; Montag, Christoph; Morris, John; Naylor, Christopher E; Nemesure, Seth; Peggs, Stephen G; Pile, Philip H; Pinayev, Igor; Ptitsyn, Vadim; Ranjbar, Vahid; Raparia, Deepak; Reich, Jonathan; Rivera, Nina; Robert-Demolaize, Guillaume; Roser, Thomas; Sampson, Paul; Sandberg, Jon N; Scholl, Caitlin; Schultheiss, Carl; Shrey, Travis C; Smith, Kevin S; Steski, Dannie B; Summers, Tasha; Tepikian, Steven; Thieberger, Peter; Trbojevic, Dejan; Tsoupas, Nicholas; Tuozzolo, Joseph E; Videbaek, Flemming; Wanderer, Peter; Wang, Gang; White, Simon; Yip, Kin; Zaltsman, Alexander; Zelenski, Anatoli; Zeno, Keith; Zhang, Shou-Yuan; Zhang, Wu ; Alessi, James G; Asselta, Sandra L; Beavis, Dana; Blas, Gladys; Blaskiewicz, Michael M; Brennan, Joseph; Brown, Kevin A; Bruno, Donald; Cantelmo, Doreen; DiFilippo, Lynanne; Etkin, Asher; Fedotov, Alexei; Fischer, Wolfram; Gassner, David M; Huang, Haixin; Ingrassia, Peter F; LaMontagne, Stephanie H; Lessard, Edward T; Lowenstein, Derek I; Mapes, Michael D; Marnieris, Ioannis M; McIntyre, Gary T; Meot, Francois; Meyer, Christine; Minty, Michiko; Pendzick, Alexander F; Petway, Annabelle; Pile, Philip H; Raparia, Deepak; Rivera, Nina; Roser, Thomas; Sampson, Paul; Sandberg, Jon N; Scholl, Caitlin; Snyder, Louis P; Somma, Attilio; Sullivan, Patrick T (DOE); Than, Yatming (Roberto); Tuozzolo, Joseph E; Vigdor, St.; Ben-Zvi, Ilan; Fischer, Wolfram; Gardner, Christopher J; Hauser, John J; LaMontagne,



**Between you and me...
that's how I sometimes
felt like...**

Lionel.
A guy from
Perigord,
aka "CAD"

CAD
stuffing

next scheduling
physicists

This Run's
scheduling
physicist





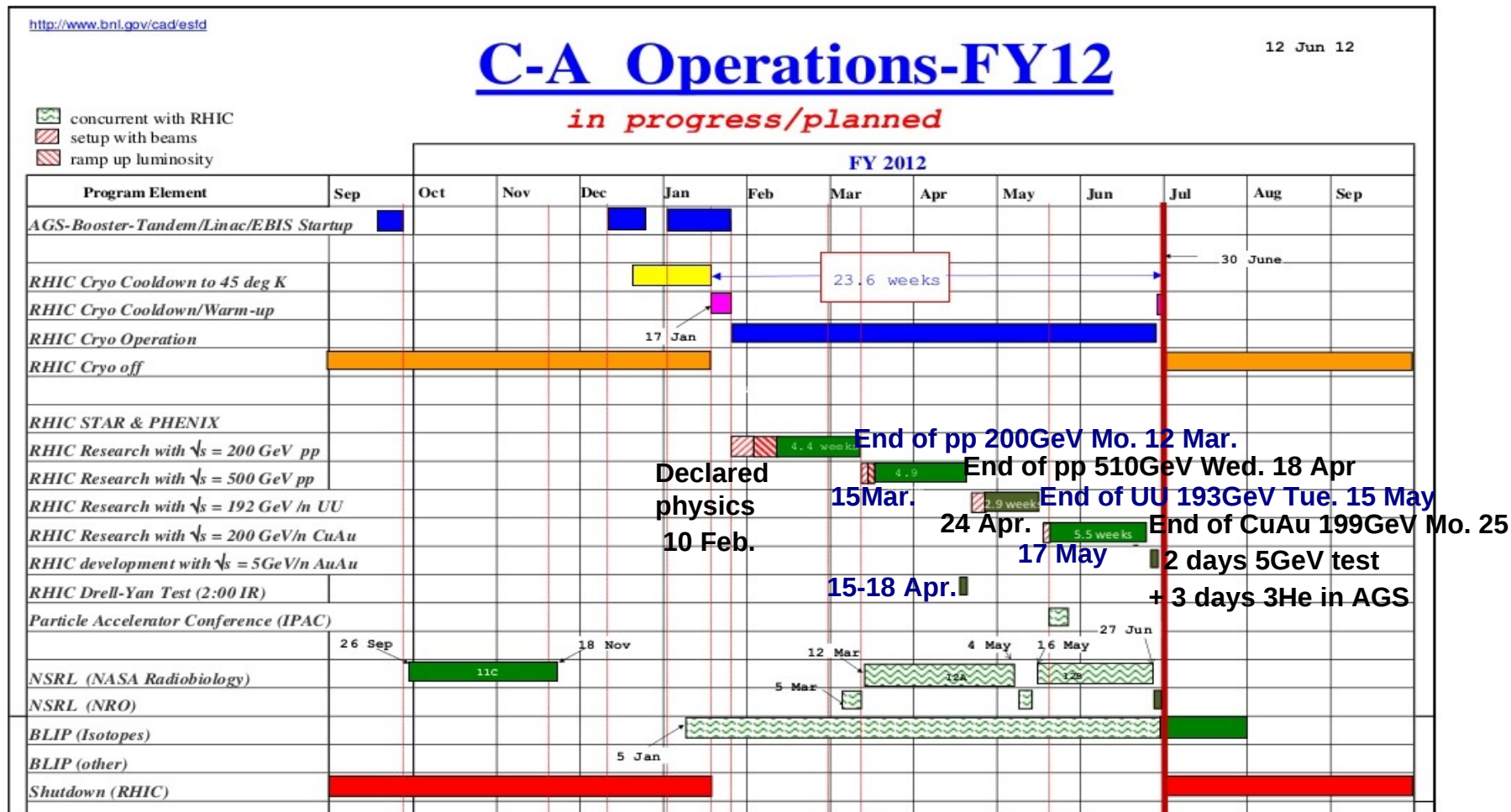
... and, the best quality is expected from your remains





A general overview of the Run

This run was characterized by an unusual number of switch overs, that made it very exciting from SP's task and learning viewpoints.





Scheduling was cadenced by APEX days...

10 APEX sessions

Subject to reports at the Time Meeting

Slides can be found on web site

pp200 : Wed. Feb. 22nd (16 hrs, 0800-2400), Wed.03/07 (16hrs)

pp510 : Wed. 03/21 (12hrs), Tue. 03/27 (12hrs), Wed. 04/04 (12hrs), Thu. 04/12 (12hrs),
Wed. 04/18 (4hrs)

UU193 : A unique APEX session, Wed 05/02 (13hrs)

CuAu199 : Wed 05/30 (15hrs), Wed. 06/13 (16hrs)



... and by RHIC Maintenance days

**A 2-week cycle normally,
every other two Wednesday,
normally in alternance with APEX,
duration of the order of 8-12 hours.**

pp200 : 1st Maintenance day, was Wed. Feb. 15th ; then 29 Feb.

pp510 : Wed. March 14, 28 ; April 11,

UU193 : Thu. April 19, at switch over pp → UU ; Mo. Apr. 23 behind EBIS repair ;
Wed. 9 May ;

CuAu : Tue. 15 May at switch-over UU->CuAu ; Wed. 23 ; Wed. 6 June



Organized by Paul Sparrow

Including generous

donation by many of us

IN CONCLUSION

28 JUNE, A FEAST WORTHY OF THE END OF A RHIC RUN



Unless we prefer...



... this version !

A FEAST WORTHY OF THE END OF A RHIC RUN





AN ADDITIONAL CONCLUSION

*SP : an efficient formation to the Lab,
Introduction to people,
Introduction to its activities.*

And of course, a potentially very efficient intermediate position in the process of exchanging and circulating Run scheduling information.

Worth carrying on, such is my point of view.

*Thank you for offering me this opportunity
Many thanks to my colleagues for their invaluable help in
that task.*